

AFOQT Prep Course

Designed by:
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Bottom Line Principles...

True for any section

Tempo

Guessing = Good!

Know your strengths and use them

Things to Know

The AFOQT is an acquired skill

Accurate practice and repetition are
key

Reading and flash cards are key for
verbal

Overview

Discuss each section

- Tempo
- Strategies

Practice Math Section

Begin Math Crash Course

Sections

Verbal Analogies

Arithmetic Reasoning

Word Knowledge

Math Knowledge

Instrument Comprehension

Block Counting

Table Reading

Sections

Aviation Information

General Science

Rotated Blocks

Hidden Figures

Self-Evaluation (non-graded)

Sections

Verbal Analogies

Arithmetic Reasoning

Word Knowledge

Math Knowledge

Required to commission

Instrument Comprehension

Block Counting

Table Reading

Sections

New Composite Scores as of 14 Feb 2013

Table 1. CONSTRUCTION OF AFOQT COMPOSITES

Subtest	Items	Pilot	CSO	ABM	Verbal	Quant
Verbal Analogies	25			X	X	
Arithmetic Reasoning	25					X
Word Knowledge	25		X		X	
Math Knowledge	25	X	X	X		X
Instrument Comprehension	20	X		X		
Block Counting	20		X	X		
Table Reading	40	X	X	X		
Aviation Information	20	X		X		

Sections

Q's Time Q's/min

Verbal Analogies 25 8 min >3

Arithmetic Reasoning 25 29 min <1

Word Knowledge 25 5 min 5

Math Knowledge 25 22 min >1

What to Expect

No Calculators

No need to bring anything

Multiple Choice Questions

4-5 choices

100 classroom

Spaced out evenly across the desks

Timing of the test

Arithmetic Reasoning Diagnostic

- Designed to mirror test conditions
- Do your best to answer 25 questions in 29 minutes
- 5 questions per slide to help establish tempo

Remember- Time Management is KEY!

PREPARE TO TEST

1. Tim weighs 243 pounds. If he loses 3 pounds per week, how much will he weigh in 7 weeks?
 - A. 211
 - B. 222
 - C. 231
 - D. 240
 - E. 247
2. Grant reads three hardcover mysteries and four soft cover mysteries. He reads three times as many nonfiction books as he did mysteries. How many nonfiction books did Grant read?
 - A. 6
 - B. 9
 - C. 12
 - D. 18
 - E. 21
3. A restaurant bill without tax and tip comes to \$38.40. If a 15% tip is included after a 6% tax is added to the amount, how much is the tip?
 - A. \$6.11
 - B. \$5.76
 - C. \$5.15
 - D. \$2.30
 - E. \$1.15

4. If a car uses 1.5 gallons of gas every 30 miles, how many miles can be driven with 6 gallons of gas?
- A. 100
 - B. 110
 - C. 120
 - D. 130
 - E. 140
5. A blueprint has a scale of 3 feet per $\frac{1}{2}$ inch. If a bathroom is $1\frac{1}{2}$ inches x 2 inches, what are its actual dimensions?
- A. $4\frac{1}{2}$ feet x 6 feet
 - B. 6 feet x $7\frac{1}{2}$ feet
 - C. $7\frac{1}{2}$ feet x 9 feet
 - D. $8\frac{1}{2}$ feet x $8\frac{1}{2}$ feet
 - E. 9 feet x 12 feet
6. A rectangular bin 4 feet long, 3 feet wide, and 2 feet high is solidly packed with bricks whose dimensions are 8 inches by 4 inches by 2 inches. The number of bricks in the bin is
- A. 54
 - B. 324
 - C. 648
 - D. 1072
 - E. 1296

7. Sophie casts a shadow 5 feet long. Her father, who is 6 feet tall, casts a shadow 8 feet long. How tall is Sophie?
- A. 6 feet 8 inches
 - B. 4 feet 10 inches
 - C. 4 feet 6 inches
 - D. 3 feet 9 inches
 - E. 2 feet 3 inches
8. If 2.5 centimeters = 1 inch, and 36 inches = 1 yard, how many centimeters are in 1 yard?
- A. 14
 - B. 25
 - C. 70
 - D. 80
 - E. 90
9. A class of 198 recruits hail from Georgia, North Carolina, and South Carolina. If $\frac{1}{3}$ are from Georgia and $\frac{1}{4}$ of the remainder are from North Carolina, how many of the recruits in the class are from South Carolina?
- A. 198
 - B. 165
 - C. 132
 - D. 99
 - E. 66

10. How many gallons of water will be contained in a rectangular tank that measures 2 feet in width, 3 feet in length, and 1 foot 8 inches in depth (assume $1 \text{ cu ft} = 7.48 \text{ gal}$)
- A. 110
 - B. 75
 - C. 66.6
 - D. 55
 - E. 45
11. A security guard must check a particular room every 45 minutes. If he first checks the area as he begins a 9-hour tour of duty, how many times will he have check this storage area?
- A. 13
 - B. 12
 - C. 11
 - D. 10
12. A sport's fan spent a total of \$385 on baseball tickets. If only \$5 and \$6 tickets were bought, and there was an equal number at each price, how many \$5 tickets were bought?
- A. 35
 - B. 47
 - C. 56
 - D. 72
 - E. 90

13. If a car can travel 300 miles in $4\frac{1}{2}$ hours, how far can it travel in 45 minutes?
- A. 50
 - B. 55
 - C. 60
 - D. 62
 - E. 68
14. A runner runs 5 miles per hour for 4 hours. If one inch equals 10 miles on a map, how far has the runner traveled on the map?
- A. 1 inch
 - B. 1.5 inches
 - C. 1.8 inches
 - D. 2 inches
 - E. 2.3 inches
15. Lt Bartlett is a badass and spent 2 hours doing pushups, 1 hour doing sprints, and 1.5 hours benching 400 lbs. What percentage of time was spent sprinting?
- A. 44 percent
 - B. 37 percent
 - C. 33 percent
 - D. 22 percent
 - E. 11 percent

16. What is the volume of a container that is 40 feet long, 3 feet wide, and 24 inches wide?
- A. 120
 - B. 200
 - C. 240
 - D. 300
 - E. 350
17. A butcher made $22\frac{1}{2}$ lbs of beef into hamburger and wrapped it in $1\frac{1}{4}$ lb packages. How many packages did he make?
- A. 15
 - B. 16
 - C. 17
 - D. 18
 - E. 19
18. If 15 cans of food are needed for 6 adults for 2 days, the number of cans needed for 4 adults for 5 days is
- A. 10
 - B. 15
 - C. 20
 - D. 25
 - E. 30

19. Many European cars feature speedometers that show kilometers per hour. If you are required to drive 500 miles, and you know that 1 kilometer is approximately $\frac{5}{8}$ of a mile, how many kilometers would you cover in that journey?
- A. 625
 - B. 800
 - C. 850
 - D. 1000
20. A pole 12 feet high has a shadow 4 feet long. A nearby pole is 24 feet high. How long is its shadow?
- A. 4 feet
 - B. 8 feet
 - C. 12 feet
 - D. 16 feet
21. A man deposited a check for \$1000 to open an account. Shortly after that, he withdrew \$400.00 and then \$541.20. How much did he have left in his account?
- A. \$56.72
 - B. \$58.80
 - C. \$59.09
 - D. \$60.60

22. The school enrollment is 1700. Eighteen percent of students study French, 25% study Spanish, 12% study Italian, 15% study German, and the rest study no foreign language. Assuming that each student may only study one language, how many students do not study any foreign language?
- A. 510
 - B. 520
 - C. 530
 - D. 540
 - E. 550
23. Four men working together can create a trench in 42 days. They begin the job, but one man works only half days. How long will it take to complete the job?
- A. 46 days
 - B. 48 days
 - C. 50 days
 - D. 52 days
 - E. 54 days
24. A propane tank holds 20 gallons of gas. When the gauge reads $\frac{1}{4}$ full, how many gallons are needed to fill the tank?
- A. 16
 - B. 15
 - C. 10
 - D. 5
 - E. 4

25. The pilgrims set sail for Plymouth Rock, a distance of approximately 2800 miles, in 63 days. The average speed in miles per hour was closest to which one of the following?

A. $\frac{1}{2}$

B. 1

C. 2

D. 3

E. 4

Answers

1.	B
2.	E
3.	A
4.	C
5.	E
6.	C
7.	D
8.	E
9.	D
10.	B
11.	A
12.	A
13.	A
14.	D
15.	D
16.	C
17.	D
18.	D
19.	B
20.	B
21.	B
22.	C
23.	B
24.	B
25.	C

Review

Difficulty?

Timing?

No Calculator?

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C. 2

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Word Knowledge Diagnostic

25 Questions – 5 Minutes

Prepare to Test

1. Concoct:
 - A. Make up
 - B. Throw away
 - C. Go through
 - D. Walk around

2. Assimilate:
 - A. To take in
 - B. To make fun of
 - C. To rob of
 - D. To ignore

3. Inculcate:
 - A. To instill
 - B. To rebuke
 - C. To speak against
 - D. To talk about

4. Degradation:
 - A. Happiness
 - B. Anger
 - C. Celebration
 - D. Poverty

5. Sequentially
- A. Sensibly
 - B. Randomly
 - C. In order
 - D. Out of order

6. Inert
- A. Lacking
 - B. Joyful
 - C. Attentive
 - D. Pithy

7. Quandary
- A. Embodiment
 - B. Perplexity
 - C. Deceit
 - D. Trite

8. Rescind
- A. Revoke
 - B. Low
 - C. Mangle
 - D. Change

9. Epitome
- A. Predictable
 - B. Embodiment
 - C. Graphic
 - D. Contradict
10. Insipid
- E. Inspiring
 - F. Intercede
 - G. Dull
 - H. Small
11. Renovate
- A. Destroy
 - B. Restore
 - C. Return
 - D. Go Around
12. Submissive
- A. Meek
 - B. Not Intelligent
 - C. Kind
 - D. Strong

13.Dilemma

- A. Punishment
- B. Division
- C. Detection
- D. Difficulty

14.Celestial

- A. Musical
- B. Heavenly
- C. Statelty
- D. Married

15.Eminent

- A. Noted
- B. Moral
- C. Future
- D. Distinguished

16.Edifice

- A. Tool
- B. Building
- C. Garden
- D. Mushroom

17. Zeal

- A. Fervor
- B. Sickly
- C. Helpless
- D. Envious

18. Severe

- A. Powerful
- B. Austere
- C. Happy
- D. Tortured

19. Pilfer

- A. Steal
- B. Watchful
- C. Quiet
- D. Reserved

20. Curt

- A. Brief
- B. Disconnected
- C. Solid
- D. Ruined

21. Supplant

- A. Spend
- B. Unite
- C. Recall
- D. Replace

22. Corroborate

- A. Confirm
- B. Finish
- C. Teamwork
- D. Ask

23. Shabby

- A. Dishonest
- B. Vague
- C. Seedy
- D. Nervous

24. Poach

- A. Squander
- B. Trespass
- C. Outwit
- D. Bully

25. Gird

- A. Stare
- B. Thresh
- C. Encircle
- D. Perforate

COMPLETE

Answers

1.	A
2.	A
3.	A
4.	D
5.	C
6.	D
7.	B
8.	A
9.	B
10.	C
11.	B
12.	A
13.	D
14.	B
15.	D
16.	B
17.	A
18.	B
19.	A
20.	A
21.	D
22.	A
23.	C
24.	B
25.	C